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May 1969

U.S. DEPARTMENT OF LABOR

WAGE AND LABOR STANDARDS ADMINISTRATION
Bureau of Labor Standards

MATERIAL SAFETY DATA SHEET

RE-ISSUE
4-21-77

PPM 1221

| SECTION I | |
|---|--|
| MANUFACTURER'S NAME E. F. HOUGHTON & CO. | EMERGENCY TELEPHONE NO. 215-RE-9-7100 |
| ADDRESS (Number, Street, City, State, and ZIP Code) 303 W. Lehigh Avenue, Philadelphia, Pa. 19133 | |
| CHEMICAL NAME AND SYNONYMS | TRADE NAME AND SYNONYMS COSMOLINE 1091 |
| CHEMICAL FAMILY | FORMULA |

| SECTION II HAZARDOUS INGREDIENTS | | | | | |
|---|-----------|----------------|---|---|----------------|
| PAINTS, PRESERVATIVES, & SOLVENTS | % | TLV (Units) | ALLOYS AND METALLIC COATINGS | % | TLV (Units) |
| PIGMENTS | | | BASE METAL | | |
| CATALYST | | | ALLOYS | | |
| VEHICLE | | | METALLIC COATINGS | | |
| SOLVENTS Stoddard | 30 | 200 ppm | FILLER METAL PLUS COATING OR CORE FLUX | | |
| ADDITIVES | | | OTHERS | | |
| OTHERS | | | | | |
| HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES | | | | % | TLV (Units) |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| SECTION III PHYSICAL DATA | | | |
|---------------------------|---|---------------------------------------|--------------|
| BOILING POINT (°F.) | | SPECIFIC GRAVITY (H ₂ O=1) | 0.872 |
| VAPOR PRESSURE (mm Hg.) | | PERCENT VOLATILE BY VOLUME (%) | |
| VAPOR DENSITY (AIR=1) | | EVAPORATION RATE (_____ = 1) | |
| SOLUBILITY IN WATER | Insoluble | | |
| APPEARANCE AND ODOR | Black fluid. Petroleum solvent odor. | | |

| SECTION IV FIRE AND EXPLOSION HAZARD DATA | | | |
|---|---|-----|-----|
| FLASH POINT (Method used) 105° F., P.M. Closed Cup | FLAMMABLE LIMITS Fire Pt. 115° F. | Lel | Uel |
| EXTINGUISHING MEDIA CO₂, foam, dry chemical. | | | |
| SPECIAL FIRE FIGHTING PROCEDURES | | | |
| | | | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS Avoid contact with strong oxidizers. | | | |
| | | | |

BOE-C6-0203321

| SECTION V HEALTH HAZARD DATA | |
|---|----------------|
| THRESHOLD LIMIT VALUE | See Section II |
| EFFECTS OF OVEREXPOSURE | |
| Inhalation - Dizziness, nausea. Eye contact - mild irritation. | |
| Skin contact - possible defatting. | |
| EMERGENCY AND FIRST AID PROCEDURES | |
| Inhalation - Remove to fresh air. Eye contact - Wash with water for 15 minutes. Consult physician. Skin contact - Wash with soap & water. | |
| If ingested - Remove contents with stomach pump. Consult physician. | |

| SECTION VI REACTIVITY DATA | | | |
|---|----------------|---|---------------------|
| STABILITY | UNSTABLE | | CONDITIONS TO AVOID |
| | STABLE | X | |
| INCOMPATIBILITY (Materials to avoid) Contact with strong oxidizers. | | | |
| HAZARDOUS DECOMPOSITION PRODUCTS | | | |
| HAZARDOUS POLYMERIZATION | MAY OCCUR | | CONDITIONS TO AVOID |
| | WILL NOT OCCUR | X | |

| SECTION VII SPILL OR LEAK PROCEDURES | |
|---|--|
| STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED | |
| Clean up with Speedi-Dri or similar absorbent material. Avoid sources of sparks and open flames. Provide ventilation. | |
| WASTE DISPOSAL METHOD | |
| Follow local regulations for disposal of waste oils and solvents. | |

| SECTION VIII SPECIAL PROTECTION INFORMATION | | |
|---|---|----------------|
| RESPIRATORY PROTECTION (Specify type) | | |
| VENTILATION | LOCAL EXHAUST | SPECIAL |
| | MECHANICAL (General) Use with ventilation. | OTHER |
| PROTECTIVE GLOVES | | EYE PROTECTION |
| OTHER PROTECTIVE EQUIPMENT | | |

| SECTION IX SPECIAL PRECAUTIONS | |
|--|--|
| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING | |
| Store away from sources of heat and open flames. | |
| OTHER PRECAUTIONS | |

CAUTION!

COMBUSTIBLE LIQUID

VAPOR HARMFUL

MAY IRRITATE SKIN AND EYES

HARMFUL IF SWALLOWED

Keep away from light, heat, sparks and open flame. Use with adequate ventilation. Avoid prolonged or repeated breathing of vapor. Avoid contact with eyes or skin. Do not take internally.

If overcome from inhalation, remove to fresh air; if not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Call a physician.

In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes; for eyes, get prompt medical attention. Wash clothing before re-use.

If swallowed, remove contents with stomach pump, consult physician. **DO NOT INDUCE VOMITING.**



E. F. HOUGHTON & CO./303 W. LEHIGH AVENUE/PHILADELPHIA, PA. 19133

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DPM 1221
Corrosion Preventive,
Solvent Cutback



April 21, 1977

Douglass Aircraft Company
3855 Lakewood Blvd.
Long Beach, Ca. 90846

Attention: Mr. M. J. Veneroso
Materials Handling &
Packaging Engineering

Gentlemen:

Your letter of March 30, 1977, to our Santa Ana plant has been forwarded to the writer with the request to furnish you with the information you desire.

Two of these products, Hocut 237 and Cosmoline 1062 are not regulated. We classify them as the following for shipping:

| | | | | |
|---------|---|----------------|---|---|
| DPM 342 | — | Hocut 237 | - | Metal Cutting Compound |
| DPM 672 | — | Cosmoline 1062 | - | Petroleum Lubricating Oil NOI or Grease |

Lubricant 949 is not our product.

I have listed below the proper shipping classification for the other products.

| | | <u>Proper Shipping Name</u> | <u>Hazard</u> |
|----------|---|-----------------------------|--------------------|
| DPM 1221 | — | Cosmoline 1091 | Combustible Liquid |
| DPM 665 | — | Cosmoline 1102 | Combustible Liquid |
| DPM 673 | — | Cosmoline 1104 | Combustible Liquid |

For Air - Article No. 1939
Flash Point - 105°F for all three
Pensky Martin Closed Cup

DPM 950-8
Perliten 45 - Cyanide or Cyanide Mixtures Dry Poison B

For Air - Article No. 544
Requires Poison Label

I have also enclosed our standard Material Safety Data Sheets for all of these products.

If you have any further questions, please feel free to contact the writer.

Sincerely,

E. F. Houghton & Company

Frank J. Roth

Frank J. Roth
Product Safety Manager

FJR/atd
Attachments